

Patent claims

1. A mounting for a seat (3) which rests on an underframe (1), having a spring element (4) arranged on the underframe (1), wherein

- 5 a) the spring element (4) is positioned in a casing (5,5';6,6';600,600') and allows the latter to move elastically in the horizontal plane; and
b) the casing (5,5';6,6';600,600') is connected to the seat (3) or forms a part thereof.

10 2. The mounting as claimed in claim 1, wherein the spring element (4) is arranged at the top of an axial column (2) of the underframe (1).

3. The mounting as claimed in claim 1 or 2, wherein the spring element (4) is arranged on an extensible, axially acting spring (2).

15 4. The mounting as claimed in one of claims 1 to 3, wherein the spring element (4) is arranged at the top of an axially extensible push rod of a pneumatic spring (2).

20 5. The mounting as claimed in one of claims 1 to 4, wherein the spring element (4) has an elastic outer sleeve (43), e.g. a rubber body.

25 6. The mounting as claimed in one of claims 1 to 5, wherein
a) the casing (5,5';6,6') has a bottom, cup-like part (5,5') in which the spring element (4) is seated; and
b) the spring element (4) and the casing (5,5';6,6') have an axial through-passage (45;61,61').

30 7. The mounting as claimed in one of claims 1 to 5, wherein
a) the casing (600,600'), in which the spring element (4) is seated, is a cup-like part (600,600') which encases the spring element (4) from above; and
b) the spring element (4) and the casing (600,600') have an axial through-passage (45,61'').

8. The mounting as claimed in one of claims 1 to 7, wherein

- a) the spring element (4) comprises an inner, preferably metallic core (44) and the elastic outer sleeve (43), which is arranged thereon; and
- 5 b) the core (44) has an opening (45), preferably an axial through-passage (45), for accommodating the column (2).

9. The mounting as claimed in one of claims 1 to 8, wherein the radial, outer circumference of the outer sleeve (43) of the spring element (4)

- 10 a) is cylindrical; or
- b) tapers conically in the upward direction; or
- c) is essentially of cylindrical shape with a top and bottom reduction in diameter.

10. The mounting as claimed in one of claims 1 to 6, 8 or 9, wherein

- 15 a) the spring element (4) is restrained at the top by a top molding (6,6'); b) the top molding (6,6') is connected to the casing (5,5'); and
- c) the seat (3) is fastened on the top molding (6).

11. The mounting as claimed in one of claims 1 to 10, wherein the core (44) is fixed to the outer sleeve (43).

12. The mounting as claimed in one of claims 1 to 5, 7 to 9 or 11, wherein

- 25 a) the casing (600,600'), which is positioned on the spring element (4) from above, is fixed to the outer sleeve (43); and
- b) the casing (600,600') may have a flange (601') for connection to the seat.

13. The mounting as claimed in one of claims 1 to 12, wherein

- 30 a) provided in the top molding (6,6') or in the casing (600,600'), which is positioned on the spring element (4) from above, coaxially with the pneumatic-spring-forming central column (2), is a through-opening (61,61',61'') for the purpose of actuating the triggering push rod (23) of the pneumatic spring; and
- b) the axial through-passage (45) narrows conically.

14. The mounting as claimed in one of claims 1 to 13, wherein

- a) the through-opening (**61,61',61''**) in the top molding (**6,6'**) or in the casing (**600,600'**), which is positioned on the spring element (**4**) from above, has a defined geometry, e.g. a slot; and
- b) the internal core (**44**) of the spring element (**4**) has an extension (**440**) which projects into the through-opening (**61,61',61''**) and is guided therein, as a result of which the moveability of the seat (**3,3'**) is limited.

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